

IN THE CLAIMS:

Please AMEND claims 1-8 and 12-22;

Please ADD claim 98, as shown below; and

Please CANCEL claims 23-97, without disclaimer or prejudice.

1. (Currently Amended) A network element ~~function~~ between a first IPinternet protocol based network and a second external packet data network, said network element comprising:

a first interface configured to communicate with said first IPinternet protocol based network using an IPinternet protocol to receive signals from and send signals to the first network, said first IPinternet protocol based network being a private computer based network comprising wireless capabilities that are implemented in a cellular communications terminal, said interface being configured such that internet protocol traffic intended for a wireless user within said first IPinternet protocol based network from another wireless user within said first network can occur without any signaling occurring externally of said first network; and

a second interface configured to communicate with said second network via an IPinternet protocol based connection to receive signals from and send signals to the second packet data network.

2. (Currently Amended) The network element of claim 1, wherein said first interface ~~uses~~ is configured to use a tunneling protocol to communicate with the first ~~IP~~internet protocol based network.

3. (Currently Amended) The network element of claim 2, wherein said tunneling protocol is one of ~~L2TP~~layer two tunneling protocol and ~~GTP~~general packet radio service tunneling protocol.

4. (Currently Amended) The network element of claim 1, wherein said second packet data network is a ~~GPRS~~general packet radio service network and said network element incorporates serving ~~GPRS~~general packet radio service support node and gateway ~~GPRS~~general packet radio service support node functionality.

5. (Currently Amended) The network element of claim 1, wherein said second interface includes at least one of the following layers in a protocol stack of the second interface: ~~MAP~~mobile application part, ~~TCAP~~transaction capabilities application part, ~~UDP~~user datagram protocol, ~~and/or~~ ~~IP~~internet protocol.

6. (Currently Amended) The network element of claim 1, wherein said second interface is ~~arranged~~configured to communicate with a gateway element of said second packet data network.

7. (Currently Amended) The network element of claim 1, wherein the first interface uses ~~an~~ a LDAP~~lightweight directory access~~ protocol to communicate with at least one element of said first ~~IP~~internet protocol based network.

8. (Currently Amended) A communications system comprising a first ~~IP~~internet protocol based network and a second packet data network, said first and second networks being connected by the network element of claim 1.

9. (Previously Presented) The system of claim 8, wherein said second packet data network is connected to said network element by a border gateway.

10. (Previously Presented) The system of claim 9 wherein said border gateway and said network element are connected by a tunnel.

11. (Previously Presented) The system of claim 9, wherein said second packet data network is connected to said network element by a virtual private network.

12. (Currently Amended) The system of claim 8, wherein at least one of said first and second networks ~~at least partially~~ comprises a wireless communication part.

13. (Currently Amended) The system of claim 12, wherein the wireless communication part ~~uses~~ is configured to use the GSM-global system for mobile communication standard.

14. (Currently Amended) The system of claim 12, wherein said second packet data network is a general packet radio service network.

15. (Currently Amended) The system of claim 8, wherein said first ~~IP~~internet protocol based network is a ~~WIO~~wireless intranet office network.

16. (Currently Amended) The system of claim 8, wherein said first ~~IP~~internet protocol based network comprises a register for storing information relating to users in said first ~~IP~~internet protocol based network, said register being ~~arranged~~configured to be connected to said network element.

17. (Currently Amended) The system of claim 16, wherein said register complies with ~~an~~a LDAPlightweight directory access protocol.

18. (Currently Amended) The system of claim 8, wherein said second packet data network comprises a register for storing information relating to users in the first

~~IP~~internet protocol based network, said register being accessible by said network element.

19. (Currently Amended) The system of claim 16, wherein said register ~~stores~~is configured to store information relating to user configurations.

20. (Currently Amended) The system of claim 8, wherein a signaling gateway is provided in said second packet data network to modify signals sent to and from said first ~~IP~~internet protocol based network to provide compatibility with said second packet data network and vice versa.

21. (Currently Amended) The system of claim 8, wherein the cellular communications terminal is a dual mode terminals~~are provided~~ configured to permit a user to use a wireless local area network mode in the first ~~IP~~internet protocol based network and a ~~GPRS~~general packet radio service mode in the second packet data network.

22. (Currently Amended) The system of claim 8, wherein said network element is part of said first ~~IP~~internet protocol based network.

23-97 (Canceled)

98. (Currently Amended) A network element between a first internet protocol based network and a second external packet data network, said element comprising:

first interface means for communicating with said first internet protocol based network using an internet protocol to receive signals from and send signals to the first network, said first internet protocol based network being a private computer based network comprising wireless capabilities that are implemented in a cellular communications terminal, said interface being configured such that internet protocol traffic intended for a wireless user within said first internet protocol based network from another wireless user within said first network can occur without any signaling occurring externally of said first network; and

second interface means for communicating with said second network via an internet protocol based connection to receive signals from and send signals to the second packet data network.